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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/762,073	01/31/2001	Yasufumi Ichikawa	33220	7828
116 7590 02/09/2007 PEARNE & GORDON LLP		EXAMINER		
1801 EAST 9T	-		NGUYEN, TU X	
SUITE 1200 CLEVELAND, OH 44114-3108			ART UNIT	PAPER NUMBER
		•	2618	-
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	02/09/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
000 4 11 0	09/762,073	ICHIKAWA, YASUFUMI				
Office Action Summary	Examiner	Art Unit				
	Tu X Nguyen	2618				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu. - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status		nely filed rs will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 07	February 2006.					
<u> </u>	s action is non-final.	•				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims		• •				
4) Claim(s) <u>2-6,9,11-19,21 and 22</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.					
•	6)⊠ Claim(s) <u>2-6,9,11-19,21 and 22</u> is/are rejected.					
7) Claim(s) is/are objected to.	·					
8) Claim(s) are subject to restriction and/	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the corre						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
12) △ Acknowledgment is made of a claim for foreignal △ All b) △ Some * c) △ None of: 1. △ Certified copies of the priority documer 2. △ Certified copies of the priority documer 3. △ Copies of the certified copies of the priority documer application from the International Burea	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	on No ed in this National Stage				
* See the attached detailed Office action for a lis 13) Acknowledgment is made of a claim for domes since a specific reference was included in the fi 37 CFR 1.78. a) The translation of the foreign language pages.	tic priority under 35 U.S.C. § 119(erst sentence of the specification or	e) (to a provisional application) in an Application Data Sheet.				
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal P	(PTO-413) Paper No(s) atent Application (PTO-152)				
B) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	6) Other: .	•				

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DETAILED ACTION

Response to Amendment

Applicant's arguments with respect to claims 21-22, have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 2-6, 9, 11-19 and 21-22, are rejected under 35 U.S.C. 102(e) as being anticipated by Takano (US Patent 5,924,043).

Regarding claim 21, Takano discloses a radio communications apparatus having a transmission power control feature for controlling the transmission power of said apparatus, said apparatus comprising:

a transmission power control bit change detector for extracting a transmission power control bit from a signal received from a distant station (see col.6 lines 42-45, col.9 lines 7-9);

a communication state detector for detecting one or more of: a change in the reception power of the received signal obtained by comparing a previous reception power with a current reception power, a fading pitch of the reception power of the received signal, the transmission

power of the distant station and/or said apparatus (see col.6 lines 64-65), and a change in the transmission power control bit; and

a transmission power control step range changer (see col.6 lines 42-53) for internally changing a variable power step amount of a transmission power control step based on both the transmission power control bit and one or more of: change in the reception power of the received signal obtained by comparing the previous reception power with the current reception power, the fading pitch of the reception power of the received signal, the transmission power of the distant station, the transmission power of said apparatus (see col.6 lines 64-65), and the change in the transmission power control bit; wherein said apparatus internally increases or decreases a transmission power of a transmitted signal to the distant station by the changed power step amount (see fig.20, element 105) in response to the transmission power control bit received from the distant station.

Regarding claim 22, Takano discloses a transmission power control method for a radio communications apparatus having a transmission power control feature for controlling the transmission power of said apparatus, said apparatus comprising:

a transmission power control bit change detector for extracting a transmission power control bit from a signal received from a distant station (see col.6 lines 42-45, col.9 lines 7-9);

a communication state detector for detecting one or more of: a change in the reception power of the received signal obtained by comparing a previous reception power with a current reception power, a fading pitch of the reception power of the received signal, the transmission power of the distant station and/or said apparatus (see col.6 lines 64-65), and a change in the transmission power control bit; and

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a transmission power control step range changer (see col.6 lines 42-53) for internally changing a variable power step amount of a transmission power control step based on both the transmission power control bit and one or more of: change in the reception power of the received signal obtained by comparing the previous reception power with the current reception power, the fading pitch of the reception power of the received signal, the transmission power of the distant station, the transmission power of said apparatus (see col.6 lines 64-65), and the change in the transmission power control bit; wherein said apparatus internally increases or decreases a transmission power of a transmitted signal to the distant station by the changed power step amount (see fig.20, element 105) in response to the transmission power control bit received from the distant station.

Regarding claim 2, Takano discloses communication state detector has a reception power change detector which detects a change in reception power change detector which detects the change in reception power of the received signal (see col.9 lines 17-18).

Regarding claim 3, Takano discloses communication state detector has a transmitting station power change detector which detects the transmission power of the distant station (see col.9 lines 17-18).

Regarding claim 4, Takano discloses communication state detector has a control state detector which detects a control state of the apparatus (see col.13 lines 45-56).

Regarding claim 5, Takano discloses said communication state detector has a local station transmission power change detector which detects a change in transmission power of the apparatus (see col.6 lines 64-65).

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Regarding claim 6, Takano discloses said communication state detector has a transmission power a transmission power control bit change detector which detects a change in said transmission power control bit (see col.5 lines 55-64).

Regarding claims 9 and 18, Takano discloses reception power change detector has a reception power threshold comparator which compares the reception power with a predetermined threshold (see col.2 lines 4-15, "Receive SIR" corresponds to "a reception power" and "reference SIR" corresponds to "a predetermined threshold").

Regarding claims 11-14, Takano discloses communication state detecting step has a reception power change detecting step which detects a change in reception power, wherein said transmission power control range changing step changes the variable power step amount depending on the detected change in reception power (see col.6 lines 50-54, col.8 lines 58-59, "open loop control system" corresponds to "variable power step amount depending on the detected change in reception power").

Regarding claim 15, Takano discloses the transmission power control apparatus according to detecting step has a reception power comparing step which compares a previous reception power with a current reception power, wherein a change in reception power is detected based on the comparison results of the reception power comparing step (see col.10 lines 5-10).

Regarding claim 16, Takano discloses said reception power change detecting step has a fading pitch detecting step which detects the fading pitch of reception power, wherein a change in reception power is detected based on the detected fading pitch (see col.13 lines 29-44).

Regarding claim 17, Takano discloses reception power change detecting step has a reception power comparing step which compares a previous reception power with a current reception power (see col.10 lines 5-8) and a fading pitch detecting step for detecting the fading pitch of reception power (see col.13 lines 37-44).

Regarding claim 19, Takano discloses a computer-readable recording medium for storing a program for use by a computer for executing the transmission power control method for the radio communications apparatus (see col.1 lines 6-11, it is inherent that the mobile station carries out the processing steps by the stored executable programming instructions).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed Tu Nguyen whose telephone number is 571-272-7883.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 5, 2007